**Surface Area of 3D Shapes - Prisms**

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| **1)** Find the surface area of the cube   http://www.mathster.com/course/simgs/146832234300_1.png | [1] |
| **2)** Find the surface area of the cuboid   http://www.mathster.com/course/simgs/146832234300_2.png | [1] |
| **3)** Find the surface area of the triangular prism   http://www.mathster.com/course/simgs/146832234300_3.png | [1] |
| **4)** Find the surface area of the cylinder, rounding your answer to 3 significant figures   http://www.mathster.com/course/simgs/146832234300_4.png | [1] |
| **5)** A cube has sides of length 8 cm. Find its surface area. | [1] |
| **6)** A cube has a surface area of 6144  . Find its length. | [1] |
| **7)** A cuboid has length, width and height of 10 cm, 9 cm and 10 cm, respectively. Find its surface area. | [1] |
| **8)** A triangular prism has a length of 12 cm. Its cross-section is an equilateral triangle which has sides of length 2 cm. Find the surface area of the triangular prism, rounding your answer to 3 significant figures. | [1] |
| **9)** A solid cylinder has a radius of 4 cm and a length 5 cm. Find its surface area, rounding your answer to 3 significant figures | [1] |

**Solutions for the assessment Surface Area of 3D Shapes - Prisms**

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| **1)** Surface area = 1176 | **2)** Surface area = 214 |
| **3)** Surface area = 120 | **4)** Surface area = 415 |
| **5)** Surface area = 384 | **6)** Length = 32 cm |
| **7)** Surface area = 560 | **8)** Surface area = 75.5 |
| **9)** Surface area = 226 |  |